Sent in by Sylvia H. of Pittsburgh, PA

What You Need • shrink wrap (used to insulate windows) or plastic wrap containers of different sizes • double-sided tape (if you use plastic wrap) • hair dryer

Super Sounding Drum

- I Choose a container that you like. Different sized containers make different types of sounds. **Predict** what kind of sound your container will make.
- **2 Put** the double-sided tape all the way **around** the outside of the container. about **two inches** down from the top.
- 3 Cut a piece of shrink-wrap that's large enough to **cover** the top of the container and **reach down** the sides to the double-sided tape.
- **4 Press** the shrink-wrap against the double-sided tape. Then **tape** the edges of the shrink-wrap with masking tape so that it's securely attached to the container.
- 5 Now **blow-dry** the shrink-wrap with a hair dryer set on hot. The heat shrinks the plastic and makes a very tight drum. **Be careful** using the hair dryer. Keep the dryer about **4 inches away** from the plastic so the plastic doesn't **melt**.
- **6 Test** your drum by hitting it first with your fingers, then with other objects. How does it sound?



Now it's time for you to experiment. What happens if you use a container with a different **shape**? What happens if you use a **larger** or **smaller** container? Or. what happens if you use a container made of a different kind of material, such as cardboard instead of glass? Change **one thing** (that's the variable) and make a **prediction**. Then test it and send your results to ZOOM.





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